

ABSTRACT OF THE DISCLOSURE

For high-resolution and low bit-error-rate MAMMOS
readout, a magnetic head includes a flat magnetic coil (1) having a
5 coil layer structure (3a, 3b) having an electrically conductive
winding (5a, 5b), and includes a permanent-magnet layer structure
(7) extending parallel to the coil layer structure and having an
in-plane magnetic axis (m).